

CLAIMS

What is claimed is:

5 1. A method for providing multiple channel audio in a computing system, the method comprises the steps of:

receiving an audio setup signal that indicates whether audio is to be outputted as stereo audio or multiple channel audio;

10 when the multiple channel audio is to be outputted, disabling a line-in driver such that a multiple channel driver is operably coupled to an audio jack; and

15 when the stereo audio is to be outputted, disabling the multiple channel driver such that the line-in driver is operably coupled to the audio jack.

20 2. The method of claim 1, wherein the step of receiving the audio setup signal further comprises:

receiving line-in driver setting information and multiple channel driver setting information;

storing the line-in driver setting information in a line-in driver register; and

storing the multiple channel driver setting information in a multiple channel register.

25 3. The method of claim 1, wherein the disabling the line-in driver further comprises muting the line-in driver.

30 4. The method of claim 1, wherein the disabling the multiple channel driver further comprises placing the multiple channel driver in a high impedance state.

5. An audio codec comprising:

an input/output interface operably coupled to receive and transmit digitized audio data;

5 an audio setting register that stores audio setting information contained in the digitized audio data;

a line-in driver operably coupled to an external audio jack when the audio setting information indicates stereo audio operation and is disabled when the audio setting information indicates multiple channel audio operation; and

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a multiple channel driver operably coupled to the external audio jack when the audio setting information indicates multiple channel audio operation and is disabled when the audio setting information indicates stereo audio operation

15 6. The audio codec of claim 5, wherein the audio setting register further comprises:

multiple channel register that stores multiple channel setting information of the audio setting information; and

20 a line-in register that stores line-in setting information of the audio setting information.

7. The audio codec of claim 5, wherein the multiple channel driver further comprises:

a left channel driver;

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a right channel driver; and

a disabling circuit operably coupled to the left channel driver and the right channel driver, wherein the disabling circuit disables the left channel driver and the right channel driver when the audio

30 setting information indicates stereo operation.

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[illegible]

9. An audio codec comprises:

a processing module; and

5 memory operably coupled to the processing module, wherein the memory stores operational instructions that cause the processing module to:

receive an audio setup signal that indicates whether audio is to be outputted as stereo audio or multiple channel audio;

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when the multiple channel audio is to be outputted, disable a line-in driver such that a multiple channel driver is operably coupled to an audio jack; and

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when the stereo audio is to be outputted, disable the multiple channel driver such that the line-in driver is operably coupled to the audio jack.

10. The audio codec of claim 9, wherein the memory further comprises operational instructions that cause the processing to receive the audio setup signal by:

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receiving line-in driver setting information and multiple channel driver setting information;

storing the line-in driver setting information in a line driver register; and

storing the multiple channel driver setting information in a multiple channel register.

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11. The audio codec of claim 9, wherein the memory further comprises operational instructions that cause the processing to disable the line-in driver by muting the line driver.

12. The audio codec of claim 9, wherein the memory further comprises operational instructions that cause the processing to disable the multiple channel driver by placing the multiple channel driver in a high impedance state.

[illegible]

13. A method for providing multiple channel audio in a computing system, the method comprises the steps of:

receiving an audio setup signal that indicates whether audio is to be outputted as stereo audio
5 or multiple channel audio;

when the multiple channel audio is to be outputted, disabling a microphone driver such that a multiple channel driver is operably coupled to an audio jack; and

10 when the stereo audio is to be outputted, disabling the multiple channel driver such that the microphone driver is operably coupled to the audio jack.

14. The method of claim 13, wherein the step of receiving the audio setup signal further comprises:

15 receiving microphone driver setting information and multiple channel driver setting information;

storing the microphone driver setting information in a microphone driver register; and

20 storing the multiple channel driver setting information in a multiple channel register.

15. The method of claim 13, wherein the disabling the microphone driver further comprises muting the microphone.

25 16. The method of claim 13, wherein the disabling the multiple channel driver further comprises placing the multiple channel driver in a high impedance state.

17. An audio codec comprising:

an input/output interface operably coupled to receive and transmit audio data;

5 an audio setting register that stores audio setting information contained in the audio data;

a microphone driver operably coupled to an external audio jack when the audio setting information indicates stereo audio operation and is disabled when the audio setting information indicates multiple channel audio operation; and

10 a multiple channel driver operably coupled to the external audio jack when the audio setting information indicates multiple channel audio operation and is disabled when the audio setting information indicates stereo audio operation

15 18. The audio codec of claim 17, wherein the audio setting register further comprises:

multiple channel register that stores multiple channel setting information of the audio setting information; and

20 a microphone register that stores microphone setting information of the audio setting information.

19. The audio codec of claim 17, wherein the multiple channel driver further comprises:

a left channel driver;

25 a right channel driver; and

a disabling circuit operably coupled to the left channel driver and the right channel driver, wherein the disabling circuit disables the left channel driver and the right channel driver when the audio
30 setting information indicates stereo operation.

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[illegible]

21. An audio codec comprises:

a processing module; and

- 5 memory operably coupled to the processing module, wherein the memory stores operational instructions that cause the processing module to:

receive an audio setup signal that indicates whether audio is to be outputted as stereo audio or multiple channel audio;

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when the multiple channel audio is to be outputted, disable a microphone driver such that a multiple channel driver is operably coupled to an audio jack; and

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when the stereo audio is to be outputted, disable the multiple channel driver such that the microphone driver is operably coupled to the audio jack.

22. The audio codec of claim 21, wherein the memory further comprises operational instructions that cause the processing to receive the audio setup signal by:

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receiving microphone driver setting information and multiple channel driver setting information;

storing the microphone driver setting information in a line driver register; and

storing the multiple channel driver setting information in a multiple channel register.

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23. The audio codec of claim 21, wherein the memory further comprises operational instructions that cause the processing to disable the microphone driver by muting the line driver.

24. The audio codec of claim 21, wherein the memory further comprises operational instructions that cause the processing to disable the multiple channel driver by placing the multiple channel driver in a high impedance state.

[illegible]